**Project Synopsis**

**Project Title: -** Unveiling New York City Parking Violation

**Project Objective:**

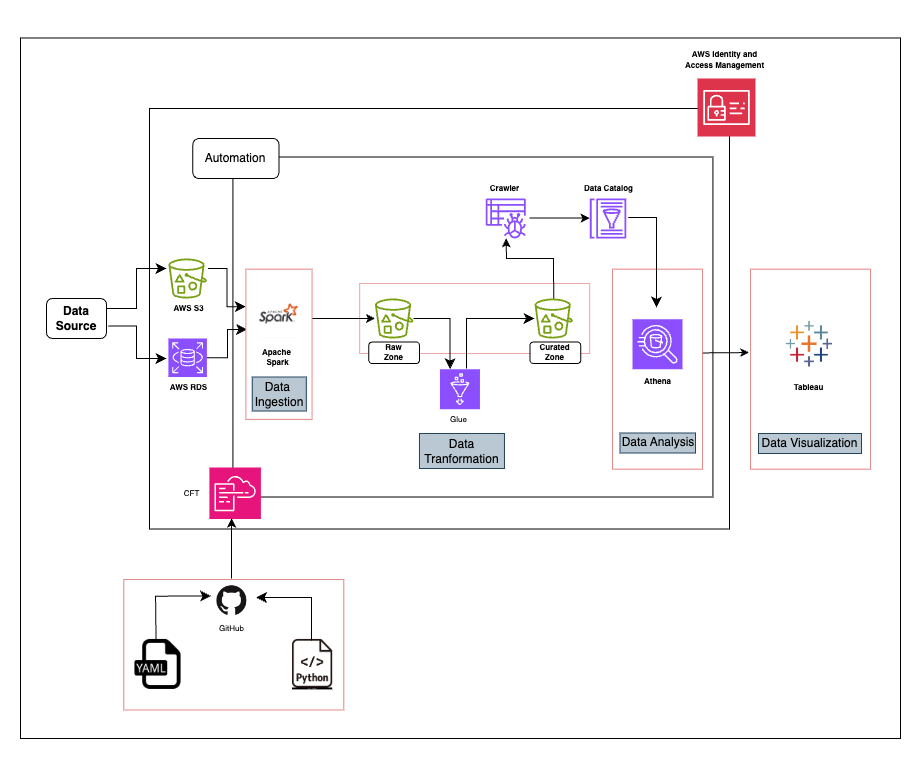
The primary objective of this project is to uncover actionable insights from the vast amount of parking violation data in New York City. By doing so, we aim to contribute to improving traffic management, enhancing city planning, and ultimately making NYC a more accessible and efficient place for everyone.

The project involves storing raw data in the data lake S3 and processing it with the help of big data technologies such as Pyspark, Glue, Athena and CFT (Cloud Formation Template) to automate and then performing the analysis using Tableau software.

**KPI**:

* To examine areas with a higher frequency of violations.
* To analyse Time, Days, Months and Years with a higher frequency of violations.
* To find the most common violations.
* To examine the violations based on vehicle size.
* To analyse revenue generation from fines and its influence on violations.
* To examine vehicle types involved in the violations.
* To examine agencies issuing the violations.

**Architecture*:***



**Data****Dictionary:**A document with text and numbers

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